



**Fact sheet, Williamsburg Receiving
Draft groundwater discharge permit**

- All water meets groundwater discharge standards before irrigation. Additional removal of nitrogen and phosphorus will occur through plant growth.
- The maximum discharge rate will be 42,000 gallons per day. The average rate will be 21,000 gallons per day.
- Water from the pitting process will be sent to a 1.5 million gallon holding pond. Water is then pumped and land applied using either trickle irrigation or spray irrigation on a grass forage crop.

Trickle Irrigation system

80 acres of cherry orchard total. Isolation distance of 100 feet will be maintained. Irrigation will occur between May through September on rotated zones each day. Each zone is 20 acres (17 wetted acres). The maximum application rate is 0.09 inches/day on 17 acres, or 0.63 inches per week over 17 acres.

Spray Irrigation system

October through April water will be applied to a 4.7 acre field located on Williamsburg Receiving and Storage property and to a 25 acre field on adjacent property. Fields are planted with a grass forage crop.

Application will be during 8:00 A.M. through 4:00 P.M. 5 days per week.

The irrigation zones are 5 acres each. Each zone will be rotated daily. The application rate is 0.4 inches per day per four acres.

RECEIVED

JUN 17 2002

WMD-CADILLAC

FACT SHEET

Facility Name Williamsburg Receiving
Address 10190 Munro Road
Williamsburg, MI 49690

Discharge Location (if different
than mailing address)

Proposed Action: ☐ New Permit ☐ New Permit for Existing Unpermitted
☐ Reissue ☒ Reissue, Increased Use ☐ Modification ☐ Exemption

Legal Description of Discharge Location:

1/4 SW 1/4 Section 9 T 26N R 9W
Whitewater Township Grand Traverse County

Wastewater Type: Cherry cooling and cherry pitting and destemming water

Existing Flow: _____ gallons per day
_____ gallons per year

Proposed Flow (if different): _____ gallons per day
15.3 million gallons per year

Existing Treatment System: _____

Proposed Treatment System: Holding pond and low rate land application

If Irrigation:

Discharge Season: _____

Application Rate: 1 in/day

Final Effluent Limit: _____

Crops to be Grown: Orchards

Isolation distances proposed: Lagoon: >150 ft Irrigation fields: >150 ft

Soil Scientist Review Complete: ☒ Yes ☐ No ☐ N/A

Phosphorus adsorption capacity: Yes

Referred to SWQD: ☐ Yes ☐ No ☒ N/A

SWQD approved: ☐ Yes ☐ No ☒ N/A

Toxicologist Review Complete: ☐ Yes ☐ No ☒ N/A

Approved Hydrogeological Study: ☐ Yes ☐ No ☒ N/A

Approved Groundwater Monitoring: ☐ Yes ☐ No ☒ N/A

Variance: ☐ Yes ☒ No (if yes, attach justification)

Effluent Data (maximum) Date: _____ Proposed Limitations

total inorganic nitrogen	_____	mg/l	_____	mg/l
nitrate	_____	mg/l	_____	mg/l
ammonia	_____	mg/l	_____	mg/l
total phosphorus	_____	mg/l	_____	mg/l
sodium	_____	mg/l	_____	mg/l
chloride	_____	mg/l	_____	mg/l
others: <input type="checkbox"/> N/A	_____	mg/l	_____	mg/l

Additives: ☒ N/A